### AN INDUSTRY OF ARIZONA

grown. All this investment is imperile by the present agitation.

"Aside from the demonstrated fallac of the claim that the price of raw wo is responsible for the high price of clothing, aside from the recognize benefit that a great sheep industry would bring to this country, including the added advantage of an increase meat supply, there may be shown a diing his clothes made of Americangrown wool. That advantage accrues from the fact that these clothes will last longer. Great students of fabrics recognize the superiority of American grown wool. American wool is strong er, works better, wears better than im nizes this, and in letting all its contracts specifies that American wor shall be used. When it calls for great quantities of clothing for the men of its army or its navy the government requires American wool. If the clother of Americans were made of their own wood, they would be better clothes. I the sheep industry were given an op portunity, it would soon be producing enough wool to supply all the clothes that America uses. Why not give this industry of the people a

"Now, Mr. Speaker, there is yet another phase of the sheep business that should appeal to those who look to the future from the broad standpoint of progress. Half of the land of the na tion is almost worthless. It is not tobeing farmed, and will never lend itself to farming. The old farms of the east are being deserted. The dry lands of the west and the mountain regions may never be used for the planting of crops. Yet all of these will remain to the end of time adaptable to the grazing of sheep. The only revenue that they may ever yield to the generations to come will most likely be due to the flocks that graze upon them. Under the feet of these mild-faced creatures, that have been the companions of man since time began, they may go o through the ages producing wealth.

"Even those farms that are produc ing the crops of the nation are ever benefited by the tread of live stock The preservation of the fertility of these farms is more aided by the feeding of live stock than through any other process. Those fields that are sapped of their fertility by the long-continned harvesting of crops, that take always from 11 soil and return nothing may be restored to their virgin productiveness by grazing sheep upor them and putting back in the soil th properties that are needed. There is rational conservation in sheep raising from one end of the country to the oth er. There is a possibility of building up an industry of such proportions that itesimal in proportion.

"Let us not disregard all these possibilities because of a cry that the sheep man's share in the \$2 that goes in raw wood into the making of a suit o clothes is a burden on the public. I were better to spend our energies in seeking the real burden than crying wolf over an evil that obviously does

# POSSIBILITIES OF

WHAT MAY BE ACCOMPLISHED IN SULPHUR RIVER VALLEY.

Data of a Government Official Re specting Sources of Water

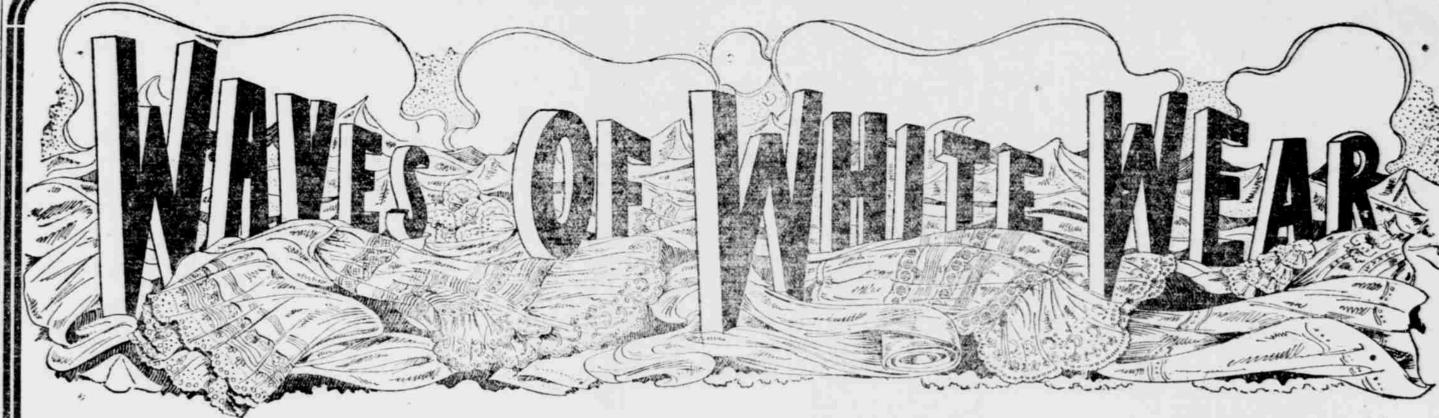
Supply.

F. C. Kelton, who is connected with the governmental experiment station worked out. in Sulphur Springs valley, that greastretch of level country lying in the southeastern portion of Cochise county, has written to the Arizona Range News of Willeox some ver, interesting data respecting the amount of lane which may be ultimately redeemed for agricultural purposes, the amount so impregnated with alkali as to be practically worthless, and the immense IMPROVEMENTS PLANNED BY THE gypsum deposits lying about five miles east of Douglas. The Sulphur Springs valley has an area as large as Connecticut and Rhode Island combined, and then some. Expert Kelton declares that about 200,000 acres of this great empire is available for farming now, and profitable farming by pump irrigation, added to the an

cheap fuel to lessen the cost of pumping, an immense area of the valley

"The water supplies of Sulphur Springs valley may be divided into groundwaters. Rainfall and floodwaters do not contain alkali salt in any amount, but the groundwaters absorb salts from the soils through which they percolate. In general, it i may be stated that groundwaters from the lower parts of the valley, and especially within the alkali district, contain the largest percentage of soluble salts, while those from the higher amined are more or less black alkaexcess of calcium sulphate, which is letters patent from this and the prin- ferent doctors, and each one av thim an antidote for black alkali. In this cloud European countries. The object give him three months to live .- Puck.





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¶ See our large ad in yesterday's Republican for particulars.



¶ See our large ad in yesterday's Republican for particulars.

alkalai confained in one would be and confrovertors.

arge deposits of gypsam exist in Sulpoint about five miles east of Dougundoubtedly be found possible to treat eliminated by the new furnace and slag disc are cited. lack alkali soils with this crude steam generator. epsum in order to reclaim these

Sulphur Springs valley, probably 70,of alkali salts. Outside of these afkai areas are perhaps 200,000 acres of excellent land underlaid with water, within 50 feet from the surface, or less; and still outside of these pumping areas lie great stretches of grazing country which may gradually bereclaimed as problems relating to the best crop, plants, correct cultural methods and financial management are

### BUSINESS RUSHING AT SWANSEA SMELTER

THE CLARA CONSOLIDATED.

Exchange of Ores with the Cleopatra Is Proving Satisfactory.

An exchange of ores between the Consolidated Arizona Smelting company and the Clara Consolidated Gold nual rainfall, which varies from seven and Copper Mining company and an into as high as twenty-five inches a creased tomage in the shipments of the Cleopatra Copper company and the About 70,000 acres, mostly in the big Clara smelter are the immediate reflat lying between Willeox and Co-sults of the recent visit of George chise, is so heavily charged with black Mitchell, managing director of the alkali as to be worthless. Kelton also Clara to Jerome, says the Parker Post. declares that with experience and Since resuming operations at the Clara plant, Manager Mitchell has demonstrated that the Clara ores are short outside of the 200,000 acres mentioned about one and three-quarters per cent will come under cultivation. Speaking in sulphur for fluxing purposes and lie of the water supplies of the big valley. is desirious of acquiring ores carrying a high per cent of the latter. He is pleased at the results of his negotiations and the interchange of ores be direct rainfall, floodwater runoff and tween the Humboldt and Swansea plants will be started at once and continued. He is now making a 66 per cent copper matte at the Clara. Speaking of the properties of the Clara and the extensive improvement

plant on the highest lines of efficiency, Mr. Mitchell said: "Since the company purchased the to the sign 'no tresspassing'"elevations are very good in quality, property, seven million tons of ore have About two-thirds of the samples ex- been established and the smelter and twenty-two miles of railroad built from line in character, the amount of black Couse to Swansea at an approximate alkali in many cases being insuffi- expenditure of \$1,560,000. A new numcient to cause damage if used for ir- ber 11 blower will be installed in the rigation. On the other hand, these next few days, which will increase the black alkali waters are soft, and capacity to 550 or 600 tons a day. The make excellent waters for domestic company is also contemplating the inand boiler uses. One-third of the stallation of a new furnace, the recent samples of water examined contain an invention of myself upon which I have

to increase the output and place the

connection it is interesting to notice of the new furnace is the utilization of A NEW THEORY that these two classes of waters are all heats generated through or by exither that they could undoubtedly be wasted under present methods. It wil prought together and combined for ir- also do away with the present expenrigation in such a way that the black sive machinery connected with smelters

to install a slag stoam generating plant through Sulphur Springs valley, it will use of coke in smelting will be entirely forces, hornbrits and birds of para-

"At the power house a new 500-horse power boiler is being installed, factors- gradually extend their range. Migra 506 acres contain excessive anomunts A switchback at the smelter is nearing suitable mesting areas are sexed un provements made in the last few in search of food and warmth.

> countered until a depth of 1,500 feet is i ore carrying native copper was cut last spring to their old breading sites, and

body that samples four per cent in opper. The assays of the natie run from 11 to 17 per cent. Two distinct ore bodies, one on the foot and the other on the banging walls, show in all the levels down to the 400 foot. On the 600 foot level a ninety foot ore body was proved recenty and it is presumed that the two ore bodies have come together. Samples of the drillings gave returns varying from 3 to 17 per cent feet or 750 feet along the ore body Number 6, a double compartment, is now down 300 feet and is being sunk as rapidly as possible to the 1000 foot level. Number 5 shaft is also being sunk to be connected with number 6 at the 50 foot level where the large ore body was recently opened. These shafts are 720 feet apart and in the main ore body.

"Operations at the smelter were in cerrupted July 4 by a washout on the railroad. One hundred and fifty feet of track were carried away by the flood, stopping the delivery of custom ores. The road is being repaired and the treatment of ores will be resumed

#### DISREGARDED

'I see you put up a sign 'No mos-

"Yes," replied Farmer Corntossel but the mosquitoes don't pay any mere attention to it than gunners pay Washington Star.

#### GREAT HOPE FOR HIM.

in-law Pat Keegan, is pretty bad off. Mrs. Casey-Shure, he's good for a

Mrs. Murphy-As long as thot?, Mrs. Casey-Yis; he's had four dif-

neutralized and rendered comparative- oft is also the purpose of the num- out in the first place, a gumber of agement for further economical remons; species in which subgration is not post thereby using the waste heat in the hare become adapted to a particular phur Springs valley, especially at a slag for steam. From present indica- neal supply only occurring in a limit tions this new power will reduce by the ed area. Such birds obviously cannot board the cars at \$1.20 a ton. At this use of carbonaccous fuel the cost of overstop the benance of their food supprice, and with railroads running ore treatment at least 65 per cent. The piy. As examples of such species, the

that, in my opinion, out of the million thousand gallons of water are being is a sort of overflowing phenomenon or more acres of hand contained in pumped from the mine daily and as Thus the younger birds are drive handling of custom ores, coke and tim- they are forced into these northers ber for the mine. The new 44-foot ad- regions which the cold renders unindition to the controvertor building has habitable in winter. Thus, after the been completed and many other int- breeding season they are driven south the return of the breading season the "The mine has been proved to a competition for food, combined with their place London Globe, depth of 1,108 feet by churn drills and the desire to return to their nesting it is still in the oxide zone. It is es- places of last year, will carry than thmated that sulphides will not be en- borth again. Again the winter overous a length of 2,100 feet. Six feet of south. These also would go north in

NOT MUCH LEFT OF HIM. Totomy-My man'on was in the civ Il war, an' he fort a leg or a arm ir

so nequire the habit of migration.

CORPORATIONS DIFFUSE WEALTH.

the dissolution of certain combinaare other great corporations against operations that will be on a progrestaken no steps. The supreme court that told be only true of species, and not only brings but necessitates the presidents, general managers and ormation of great corporations, that controllers, would be sustained in they are a natural and inevitable factor in industrial evolution.

These corporations afford the opportunity for the diffusion of wealth corporations is unquestionably more stocks and bonds will be accepted as sound investments by the intelligent fuse. The Intelligent and the thrifty will thus tend, slowly perhaps, but surely, to come into the control of the

industry and to the commerce of the country; and thus will be attained Distribution of wealth and a social all;" condition infilitely more desirable han the sochdism which is urged by those who would give the property the friendly critic, after looking them

which may not be so far remote as it existed in complete fruition today, it dustrial and commercial development new on boards of directors, who are

But even in this social status,

telligent and thrifty, who would constitute the industrial democracy. As it is today, the administration of the efficient than the administration of the state and municipal governments, or even, taking it all in all, of the federal government, whose officers are elected by the multitude or appointed by those so elected.-New

these positions by the vote of the in-

#### FRIENDLY

'Give me your candid opinion of these lines," said the young man with literary aspirations. "Do they anvey any ideas of poetry to you at

"Yes, there is something in every line that conveys the idea," answered the same diffusion as the political over. "Every line begins with a capital le'ter,"-Chicago News,

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